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avives@eresmas.net

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Park, K. T.; Ponomarenko, M. G.

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New Faunistic Data for the Family Gelechiidae in the Korean peninsula and NE China (Lepidoptera: Gelechiidae)

K. T. Park & M. G. Ponomarenko

Abstract

From the result of identification of gelechiids collected in the Korean peninsula or Mt. Changbai-shan, NE China and preserved in the Center for Insect Systematics, Korea, 25 species of the family Gelechiidae are reported for the first time from Korea and three species of them are first known from China. A new synonymy of *Teleiodes* Sattler, 1960 (= *Dubitationis* M. Omelko & N. Omelko, 1998, syn. n.), and new combinations *Teleiodes murina* (M. Omelko & N. Omelko, 1998), comb. n., *Caulastrocecis salinatrix* (Meyrick, 1926), comb. n. and *Bagdadia eucalla* (Li & Zheng, 1998), comb. n., are given. Besides, the specific name *C. salinatrix* (Meyrick, 1926), rev. stat. is resurrected from synonymy.

KEY WORDS: Lepidoptera, Gelechiidae, fauna, new synonymy, first records, Korea, China.

Nuevos datos faunísticos para la familia Gelechiidae en la Península de Corea y NE de China (Lepidoptera: Gelechiidae)

Resumen

Del resultado de la identificación de los gelequidos recogidos en la Península de Corea o en el Monte Changbai-shan, NE de China y conservados en el Center for Insect Systematics, Corea, se citan 25 especies de la familia Gelechiidae por primera vez de Corea y tres de ellas son citadas por primera vez de China. Se da una nueva sinonimia de *Teleiodes* Sattler, 1960 (= *Dubitationis* M. Omelko & N. Omelko, 1998, syn. n.) y nuevas combinaciones *Teleiodes murina* (M. Omelko & N. Omelko, 1998), comb. n., *Caulastrocecis salinatrix* (Meyrick, 1926), comb. n. y *Bagdadia eucalla* (Li & Zheng, 1998), comb. n. Además se resucita el nombre específico de *C. salinatrix* (Meyrick, 1926), rev. stat. Que se encontraba en sinonimia.

KEY WORDS: Lepidoptera, Gelechiidae, fauna, nueva sinonimia, primeras citas, Corea, China.

Introduction

Since the first author reviewed the Korean Gelechiidae in 1983 with 32 known species, more than 100 species have been added to the Korean fauna during last decade, describing more than 50 species by K. T. Park and his collaborated workers. Recently Park (2004) published "Gelechiidae and Lecithoceridae in Korea," in which 146 species including five unidentified species were listed. For the present study, authors examined all available specimens of the family which were collected in various localities of Korea and Mt. Changbai-shan which is located at border between China and North Korea, and preserved in the Center for Insect Systematics, Kangwon National University, and identified 25 additional species of the Gelechiidae for the fauna of Korea. Of them, seven species including three newly known from China were also collected in the Mt. Changbai-shan. For each species, abbreviations

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of the original references and all examined specimens with their label data were provided, and also the photos of the male or female genitalia were given.

Abbreviations of the name of provinces (= do) for the collecting data are: GG- Gynggi-do; GW- Gangwon-do; GN- Gyungangnam-do; JJ- Jeju-do.

Taxonomic List

Subfamily Anomologinae

Genus *Caulastrocecis* Chrétien, 1931

Caulastrocecis salinatrix (Meyrick, 1926), **comb. n., rev. stat.** (Fig. 1)

Aristotelia salinatrix Meyrick, 1926. Exot. Microlepidopt., **3**: 273.

Material examined: Korea: 1 ♂, Chuncheon, GW, 21-VII-1992 (KT Park & BK Byun); gen. prep. CIS- 5170/Ponomarenko. China: 1 ♂, Jilin Prov., Yanbian coll. camp., Longjing-shi, 280 m., 12-VII-2001; gen. prep. CIS- 5169; 1 ♀, same locality and date (KT Park, Sohn, Han).

Male genitalia: Figs. 26, 26a.

Distribution. Korea (Central, first record), China (Jilin, first record).

Notes: The species *Aristotelia salinatrix* Meyrick, 1926 was synonymized with the *Gelechia interstratella* Christoph, 1873 by PISKUNOV (1990). He had considered that specimens collected in Mongolia are conspecific to the Meyrick's type illustrated in CLARKE (1969). However, the male genitalia of *salinatrix* Meyrick (CLARKE, 1969, 6: 302, pl. 150, Figs 4-4b) differ from those of *interstratella* Christoph (PISKUNOV, 1990; 311, Figs 30, 31) by the blunt apex of sacculus and aedeagus without hook-like apex. Therefore, the specific name *salinatrix* Meyrick is resurrected from synonymy here. Besides, due to the characteristics of the male genitalia, the species *salinatrix* Meyrick is transferred to the genus *Caulastrocecis* Chrétien. The specimens from Korea and NE China have their male genitalia identical to those of *salinatrix* Meyrick illustrated by CLARKE (1969), and they were identified as the same species.

Genus *Polyhymno* Chambers, 1874

Polyhymno subocellea (Stephens, 1834) (Fig. 2)

Reuttia subocellea Stephens, 1834, Ill. Brit. Ent. Haust., **5**: 200, f. 553.

Material examined: Korea: 1 ♀, Mt. Gyebang-san, GW, 2-VIII-1989 (KT Park); gen. prep. CIS- 5180/Ponomarenko. China: 1 ♂, Mt. Changbai-shan, Jiashan, 9-10-VIII- 2002 (KT Park, HL Han, Kim).

Female genitalia: Fig. 38.

Distribution: Korea (Central, first record), China (Gansu Shaanxi, Jilin; new to NE China), Japan, Russia (European part, Primorskii krai), Europe.

Polyhymno celata (Omelko, 1993) (Fig. 3)

Thiotricha celata Omelko, 1993, Biol. Issl. est. kul't. ekosyst. Prim. Kr.: 208.

Material examined: Korea: 3 ♂, Mt. Teabak-san, GW, 31-VIII-1996 (H K Lee). China: 2 ♂, 3 ♀, Jilin Prov., Mt. Changbai-shan, 850 m., 27 VII; 760 m., 30-VII-2000 (KT Park & JS Lee), 1 ♀, Mt. Changbai-shan, Changbaixian, Malugou, 7-VIII-2002; 1 ♂, Mt. Changbai-shan, Erdawbaiha, 8-VIII-2002, gen. prep. CIS- 5176/Ponomarenko; 2 ♀, Helong, Mt. Changbai-shan, Jiashan, 9-10-VIII-2002 (KT Park, HL Han, Kim).

Male genitalia: Figs. 27 and 27a.

Distribution: Korea (Central, first record), China (Jilin, first record), Japan, Russia (Primorskii krai).

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Polyhymno tylephora (Meyrick, 1935) (Fig. 4)

Polyhymno tylephora Meyrick, 1935, in A. CARADJA & E. MEYRICK, Microlep. Fauna Chin. Prov. Kiangsu, Chekiang und Hunan: 68.

Material examined: Korea: 1 ♀, Geoje-do, GN, 14-VII-1999 (SY Shim & SM Lee); gen. prep. CIS- 5167/Ponomarenko.

Female genitalia: Fig. 39.

Distribution: Korea (South, first record), China (Zhejiang), Japan.

Genus *Photodotis* Meyrick, 1911

Photodotis adornata Omelko, 1993 (Fig. 5)

Photodotis adornata Omelko, 1993, Biol. Issl. est. Gornot. st., 1: 188.

Material examined: Korea: 1 ♂, KNU campus, Chuncheon, GW. 8-VIII-2002 (HL Han); gen. prep. CIS- 5160/Ponomarenko.

Male genitalia: Fig. 28.

Distribution: Korea (Central, first record), Russia (Primorskii krai).

Photodotis palens Omelko, 1993 (Fig. 6)

Photodotis palens Omelko, 1993, Biol. Issl. est. Gornot. st., 1: 190.

Material examined: Korea: 1 ♀, Mt. Jeombong-san, GW, 5-VIII-1997 (YS Bae & NH Ahn); gen. prep. CIS- 5161/Ponomarenko.

Female genitalia: Fig. 40.

Distribution: Korea (Central, first record), Russia (Primorskii krai).

Genus *Argolamprotes* Benander, 1945

Argolamprotes micella ([Denis & Schiffermüller], 1775) (Fig. 7)

Aristotelia micella Denis & Schiffermüller, 1775. Ank. syst. Werk. Schmett. Wie.: 140.

Material examined: Korea: 1 ♂, Yangyang, Seomyun, GW, 4-VI I-1987 (KT Park); 1 ♀, Chuncheon, GW, 12-VI I-1989 (KT Park); 1 ♀, Jeju, Youngsil, JJ, 2-VII-1994 (BK Byun); 3 ♀ ♀, Hwacheon, GW, 16-V-2003; 1 ♂, Chuncheon, Sinnam, 12-VIII-2003 (HL Han); gen. prep. CIS- 5128/M. Ponomarenko. China: 2 ♂ ♂, 2 ♀ ♀, Jilin Prov., Mt. Changbai-shan, Weidong, Fusong-Xian, 1255 m., 15- 16-VII-2001 (KT Park, Sohn, Han); 3 ♀ ♀, Mt. Changbai-shan, Guangming Forestry Ctr, 870 m., 19-VII-2004 (HL Han & Z Jin).

Male genitalia: Figs. 29 and 29a.

Distribution: Korea (Central, first record), Russia (European part, Ural, Irkutsk region, Transbaikalia, Khabarovskii krai, Primorskii krai, Sakhalin, Kuril Is. (Kunashir)), China (Gansu, Shaanxi, Anhui, Jilin, new to NE China), Europe

Genus *Monochroa* Heinemann, 1870

Monochroa hornigi (Staudinger, 1883) (Fig. 8)

Aristotelia hornigi Staudinger, 1883, Stettin. ent. Ztg., 44: 184.

Material examined: Korea: 1 ♀, Chuncheon, 13-VI-1989 (KT Park & BK Byun); gen. prep. CIS- 5126/Ponomarenko.

Female genitalia: Fig. 41.

Distribution: Korea (Central, first record), Japan, Russia (European part, West Siberia, Transbaikalia, Primorskii krai), Europe.

Monochroa kumatai Sakamaki, 1996 (Fig. 9)

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Monochroa kumatai Sakamaki, 1996, Trans. Lep. Soc. Japan, **47**(4): 246-248.

Material examined: Korea: 1 ♂, Mt. Samak-san, GG, 19-VII-1989 (KT Park); gen. prep. CIS-5125/Ponomarenko.

Male genitalia: Fig. 30 and 30a.

Distribution: Korea (Central, first record), Japan.

Genus *Daltopora* Povolný, 1979*Daltopora sinanensis* Sakamaki, 1995 (Fig. 10)*Daltopora sinanensis* Sakamaki, 1995, Jap. J. Ent., **63**(1): 216.

Material examined: Korea: 1 ♀, Mt. Soyo-san, 7-VII-1996 (Bae, Paek, Lee & Ahn); gen. prep. CIS-5154/Ponomarenko.

Female genitalia: Fig. 42.

Distribution: Korea (Central, first record), Japan, Russia (Primorskii krai).

Genus *Pexicopia* Common, 1958*Pexicopia melitolicna* (Meyrick, 1935) (Fig. 11)*Gelechia melitolicna* Meyrick, 1935, in A. CARADJA & E. MEYRICK, Microlep. Fauna Chin. Prov. Kiangsu, Chekiang und Hunan: 67.

Material examined: Korea: 1♂, Mt. Suri-san, Suweon, GG, 28-VIII-1997 (JB Jeon, JS Lee, ID Lee & SJ Choi); 1 ♀, Mt. Suri-san, Kunpo, GG, 28-VIII-1997 (HK Lee), gen. prep. CIS-5158/Ponomarenko; 1 ♂, Mt. Waryong-san, Sacheon, GN, 9-IX-2000 (HK Lee).

Female genitalia: Figs. 43.

Distribution: Korea (Central, first record), China (Shandong, Anhui, Jiangsu, Jiangxi).

Subfamily Gelechiinae

Genus *Gnorimoschema* Busck, 1900*Gnorimoschema radkevichi* Piskunov, 1980 (Fig. 12)*Gnorimoschema radkevichi* Piskunov, 1980, Nasekom. Mongol., **7**: 388.

Material examined: Korea: 1 ♀, Seomyun, Yangyang, GW, 6 VI 1987 (KT Park), gen. prep. CIS-5185/Ponomarenko.

Female genitalia: Fig. 44.

Distribution: Korea (Central, first record), Mongolia.

Genus *Euscribipalpa* Povolný, 1967*Euscribipalpa salinella* (Zeller, 1847) (Fig. 13)*Phthorimaea salinella* Zeller, 1847, Isis von Oken, **1847**: 853.

Material examined: Korea: 1 ♀, Mt. Suri-san, Suweon, GG, 5-V-2000 (Bae et al.); gen. prep. CIS-5133/Ponomarenko.

Female genitalia: Fig. 45.

Distribution: Korea (Central, first record), Russia (European part), Central Asia, Europe.

Euscribipalpa grisea (Povolný, 1969) (Fig. 14)*Scrobipalpa grisea* Povolný, 1969, Acta Sci. Nat. Brno N. S., **3**: 10.

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Material examined: Korea: 1♂, Mt. Gwangduk-san, GG, 3-VI-1995 (MK Paek); gen. prep. CIS-5137/Ponomarenko.

Male genitalia: Figs. 31 and 31a.

Distribution: Korea (Central, first record), Mongolia, Russia (Ural).

Euscrobalpa caryocoloides (Povolný, 1977) (Fig. 15)

Scrobipalpa caryocoloides Povolný, 1977, Acta ent. Mus. natn. Pragae, **39**: 223.

Material examined: Korea: 1 ♀, Chuncheon, GW, 11-VI-1989 (KT Park), gen. prep. CIS-5132/Ponomarenko; 1 ♀, same locality, 7-VI-1990 (KT Park), gen. prep. CIS-5131/Ponomarenko.

Female genitalia: Figs. 46.

Distribution: Korea (Central, first record), Japan (Hokkaido).

Euscrobalpa sattleri (Lvovsky & Piskunov, 1989) (Fig. 16)

Scrobipalpa sattleri Lvovsky & Piskunov, 1989. Nasekom. Mongol, **10**: 542.

Material examined: Korea: 1 ♀, Koyang, GG, 10-V-1995 (MK Paek), gen. prep. CIS-5142/Ponomarenko.

Female genitalia: Fig. 47.

Distribution: Korea (Central, first record), Mongolia.

Genus *Hedma* Dumont, 1932

Hedma lycia Li, 2001 (Fig. 17)

Hedma lycia Li, 2001, Acta ent. sin., **44**(2): 228.

Material examined: Korea: 1♂, Mt. Myeongji-san, GG, 28-V-1991(BK Byun); gen. prep. CIS-5136/Ponomarenko.

Male genitalia: Figs. 32 and 32a.

Distribution: Korea (Central, first record), China (Shaanxi).

Genus *Teleiodes* Sattler, 1960

(=*Dubitationis* M. Omelko & N. Omelko, 1998) **syn. n.**

Teleiodes murina (M. Omelko & N. Omelko, 1998), **comb. nov.** (Fig. 18)

Dubitationis murina M. Omelko & N. Omelko, 1998, Biol. Issl. est. Gornot. st., **4**: 239.

Material examined: Korea: 1 ♀, Mt. Gubong-san, Chuncheon, GW, 8-VI-1998 (SM Lee); gen. prep. CIS- 5168/Ponomarenko.

Female genitalia: Fig. 48.

Distribution: Korea (Central, first record), Russia (Primorskii krai).

Notes: The type species *D. murina* M. Omelko & N. Omelko of the genus *Dubitationis* M. Omelko & N. Omelko, 1998 is closely related to the type species of the genus *Teleiodes* Sattler, 1960 – *Tinea vulgella* [Denis & Schiffermüller], 1775, in the characters of the genitalia of both sexes. Therefore, the new synonymy is proposed in the present study: *Teleiodes* Sattler, 1960 = *Dubitationis* M. Omelko & N. Omelko, 1998, **syn. n.**

Genus *Carpatolechia* Cpuse, 1964

Carpatolechia proximella (Hübner, 1796) (Fig. 22)

[*Tinea*] *proximella* Hübner, 1796. Samml. Eur. Schmett. Tin.: pl. 33, fig. 228.

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Material examined: Korea: 1 ♀, Mt. Teabak-san, GW, 27-VI-1996 (Bae, Paek, Lee & Ahn); gen. prep. CIS-5166/Ponomarenko.

Female genitalia: Fig. 49.

Distribution: Korea (Central, first record), Japan, Russia (European part, Transbaikalia), Europe.

Genus *Gelechia* Hübner, 1825

Gelechia rhombella [Denis & Schiffermüller], 1775 (Fig. 19)

Tinea rhombella [Denis & Schiffermüller], 1775, Ank. syst. Werk. Schmett. Wien.: 139.

Material examined: Korea: 1 ♀, Mt. Odae-san, GW, 13-VI-1989 (KT Park). China: 1 ♀, Mt. Changbai-shan, Chonshan, Datong, 720 m., 3-VIII-2002 (Park, Han, Kim); 1 ♂, Mt. Changbai-shan, Power station, 800 m., 20-VII-2004 (HL Han & Z Jin); 1 ♂, Jilin Prov., Mt. Changbai-shan, An bei village, 740 m., 21-VII-2004 (HL Han, Z Jin), gen. prep. CIS-5121/Ponomarenko.

Male genitalia: Fig. 33 and 33a.

Distribution: Korea (Central, first record), China (Gansu, Qinghai, Jilin; new to NE China), Russia (European part, Caucasus, South of Far East), Transcaucasia, Europe (Northern and Central).

Genus *Chionodes* Hübner, 1825

Chionodes mongolica Piskunov, 1979 (Fig. 21)

Chionodes mongolica Piskunov, 1979, Nasekom. Mongol, 6: 395.

Material examined: Korea: 1 ♂, N. Korea, Mt. Pektusan, Sam-zi-yon Hotel, lakeshore, 18-VII-1977 (Dely Draskovits), No. 373, Light trap, gen. prep. CIS-1922/Park; 1 ♀, same locality and collector, gen. prep. CIS-1928/Park. China: 1 ♂, Jilin Prov., Mt. Changbai-shan, Xiaotianchi, 4-VIII-2002 (Park, Han, Kim), gen. prep. CIS-5163/Ponomarenko.

Male genitalia: Figs. 34 and 34a.

Distribution: Korea (North, first record), China (Jilin, first record), Mongolia, Russia (South Ural, Tuva, Irkutsk region, Transbaikalia), Ukraine.

Notes: Two specimens which were collected in the Mt. Pektu-san, N. Korea, and preserved in the National Museum of Hungarian Natural History.

Genus *Aroga* Busck, 1914

Aroga flavicomella (Zeller, 1839) (Fig. 20)

Gelechia flavicomella Zeller, 1839, Isis, Leipzig: 198.

Material examined: Korea: 1 ♂, Mt. Samak-san, GW, 22-V-1990 (KT Park); gen. prep. CIS-5165/Ponomarenko.

Male genitalia: Figs. 35 and 35a

Distribution: Korea (Central, first record), Russia (European part, Irkutsk region, Buryatia), Mediterranean area, Kazakhstan, Europe (Central).

Genus *Trichembola* Meyrick, 1918

Trichembola unimaculata N. Omelko & M. Omelko, 1993 (Fig. 23)

Trichembola unimaculata N. Omelko & M. Omelko, 1993, Biol. Issl. est. kul't. ekosyst. Prim. Kr.: 219.

Material examined: Korea: 1 ♂, Chuncheon, GW, 29-V-1989 (KT Park); 1 ♂, Mt. Cheonggye-san, Gwacheon, GG, 11-V-1997 (Jeon & Lee); gen. prep. CIS-5153/Ponomarenko.

Male genitalia: Figs. 36 and 36a.

Distribution: Korea (Central, first record), Russia (Primorskii krai).

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Subfamily Dichomeridinae

Genus *Helcystogramma* Zeller, 1877

Helcystogramma ineruditum (Meyrick, 1926) (Fig. 24)

Brachmia inerudita Meyrick, 1926, Exot. Microlepidopt., **3**: 290.

Material examined: Korea: 1 ♀, Mt. Daedun-san, Nonsan, 13-VII-2000 (Lee, Yu, Kim & Park); gen. prep. CIS-5182/Ponomarenko.

Female genitalia: Fig. 50.

Distribution: Korea (Central, first record), Russia (Khabarovskii krai, Primorskii krai).

Genus *Bagdadia* Amsel, 1949

Bagdadia eucalla (Li & Zheng, 1998), **comb. n.** (Fig. 25)

Capidentalia eucalla Li & Zheng, 1998, Reichenbachia, **32**(45): 309.

Material examined: Korea: 2 ♂♂, Geoje-do, GN, 14-VII-1999 (SY Sim & SM Lee); gen. prep. CIS-5174/Ponomarenko.

Male genitalia: Figs. 37 and 37a.

Distribution: Korea (Central, first record), China (Shaanxi, Guizhou).

Notes: The male genitalia of this species are well agreed to those of the type species (*B. irakella* Amsel, 1949) of the genus *Bagdadia* Amsel, 1949, and it is newly combined.

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K. T. P.

Center for Insect Systematics
Kangwon National University
Chuncheon 200-701
COREA DEL SUR / SOUTH OF KOREA
E-mail: cispa@kangwon.ac.kr

M. G. P.

Institute of Biology and Soil Science,
Far Eastern Branch of Russian Academy of Sciences,
Vladivostok, 690022
RUSSIA / RUSSIA
E-mail: margp@ibss.dvo.ru

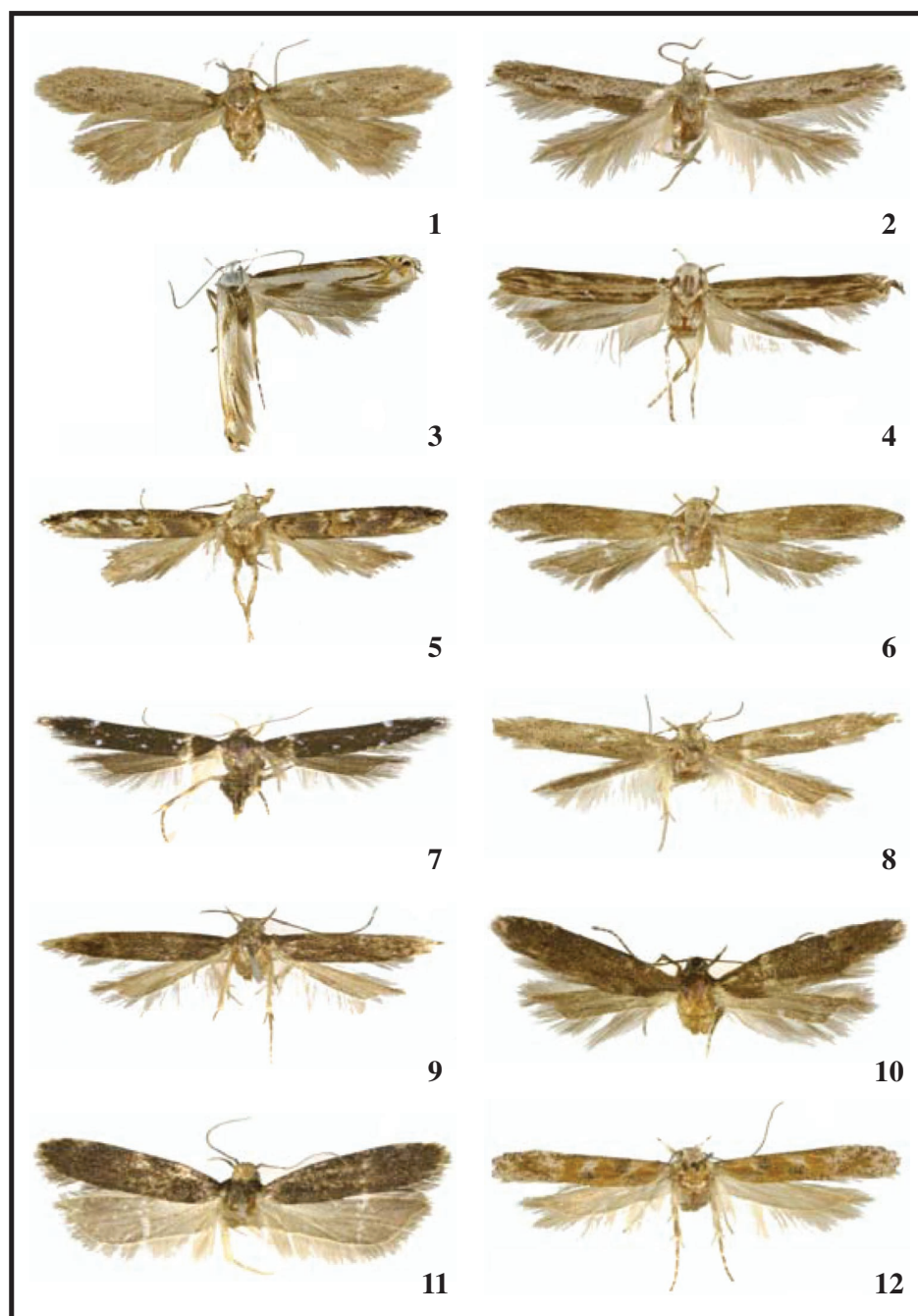
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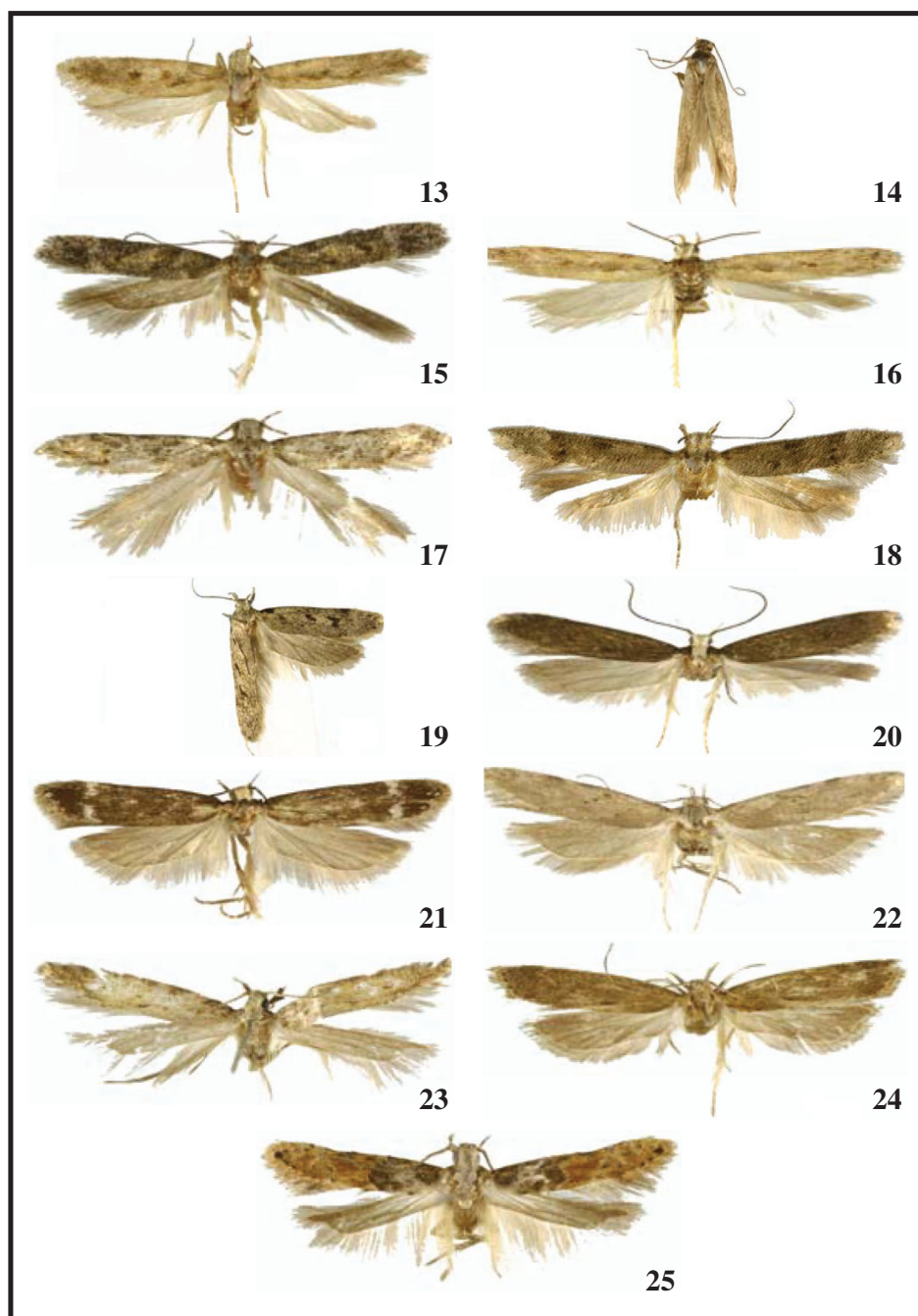
PLATES

Figs. 1-50.— Adults. **1.** *Caulastrocecis salinatrix* (Meyrick). **2.** *Polyhymno subocellea* (Stephens). **3.** *P. celata* (Omelko). **4.** *P. tylephora* (Meyrick). **5.** *Photodotis adornata* Omelko. **6.** *Ph. palens* Omelko. **7.** *Argolamprotes micella* ([D. & Schiff.]). **8.** *Monochroa hornigi* (Staudinger). **9.** *M. kumatai* Sakamaki. **10.** *Daltopora sinanensis* Sakamaki. **11.** *Pexicopia melitolicna* (Meyrick). **12.** *Gnorimoschema radkevichi* Piskunov. **13.** *Euscrobipalpa salinella* (Zeller). **14.** *E. grisea* (Povolný). **15.** *E. caryocoloides* (Povolný). **16.** *E. sattleri* Lvovsky & Piskunov. **17.** *Hedma lycia* Li. **18.** *Teleiodes murina* (M. Omelko & N. Omelko). **19.** *Gelechia rhombella* ([D. & Schiff.]). **20.** *Aroga flavicomella* (Zeller). **21.** *Chinodes mongolica* Piskunov. **22.** *Carpatolechia proximella* (Hübner). **23.** *Trichembola. unimaculata* N. Omelko & M. Omelko. **24.** *Helcystogramma ineruditum* (Meyrick). **25.** *Bagdadia eucalla* (Li & Zheng). **26-32.** Male genitalia (a: aedeagus): **26.** *Caulastrocecis salinatrix* (Meyrick), gen. prep. no. 5169. **27.** *Polyhymno celata* (Omelko), gen. prep. no. 5176. **28.** *Photodotis adornata* Omelko, gen. prep. no. 5160. **29.** *Argolamprotes micella* ([D. & Schiff.]), gen. prep. no. 5128. **30.** *Monochroa kumatai* Sakamaki, gen. prep. no. 5125. **31.** *Euscrobipalpa grisea* (Povolný), gen. prep. No. 5137. **32.** *Hedma lycia* Li, gen. prep. no. 5136. Scale for no. 26-32: 0.5 mm. **33-37.** Male genitalia (a: aedeagus): **33.** *Gelechia rhombella* ([D. & Schiff.]), gen. prep. no. 5121. **34.** *Chionodes mongolica* Piskunov, gen. prep. no. 5163. **35.** *Aroga flavicomella* (Zeller), gen. prep. no. 5165. **36.** *Trichembola unimaculata* N. Omelko & M. Omelko, gen. prep. no. 5153. **37.** *Bagdadia eucalla* (Li & Zheng), gen. prep. no. 5174. Scales: 0.5 mm. **38-43.** Female genitalia: **38.** *Polyhymno subocellea* (Stephens), gen. prep. no. 5180. **39.** *P. tylephora* (Meyrick), gen. prep. no. 5167. **40.** *Photodotis palens* Omelko, gen. prep. no. 5161. **41.** *Monochroa hornigi* (Staudinger), gen. prep. no. 5126. **42.** *Daltopora sinanensis* Sakamaki, gen. prep. no. 5154. **43.** *Pexicopia melitolicna* (Meyrick), gen. prep. no. 5158. Scales: 1 mm. **44-50.** Female genitalia: **44.** *Gnorimoschema radkevichi* Piskunov, gen. prep. no. 5185. **45.** *Euscrobipalpa salinella* (Zeller), gen. prep. no. 5133. **46.** *E. caryocoloides* (Povolný), gen. prep. no. 5131. **47.** *E. sattleri* (Lvovsky & Piskunov), gen. prep. no. 5142. **48.** *Teleiodes murina* (M. Omelko & N. Omelko), gen. prep. no. 5168. **49.** *Carpatolechia proximella* (Hübner), gen. prep. no. 5166. **50.** *Helcystogramma ineruditum* (Meyrick), gen. prep. no. 5182. Scales: 1 mm.

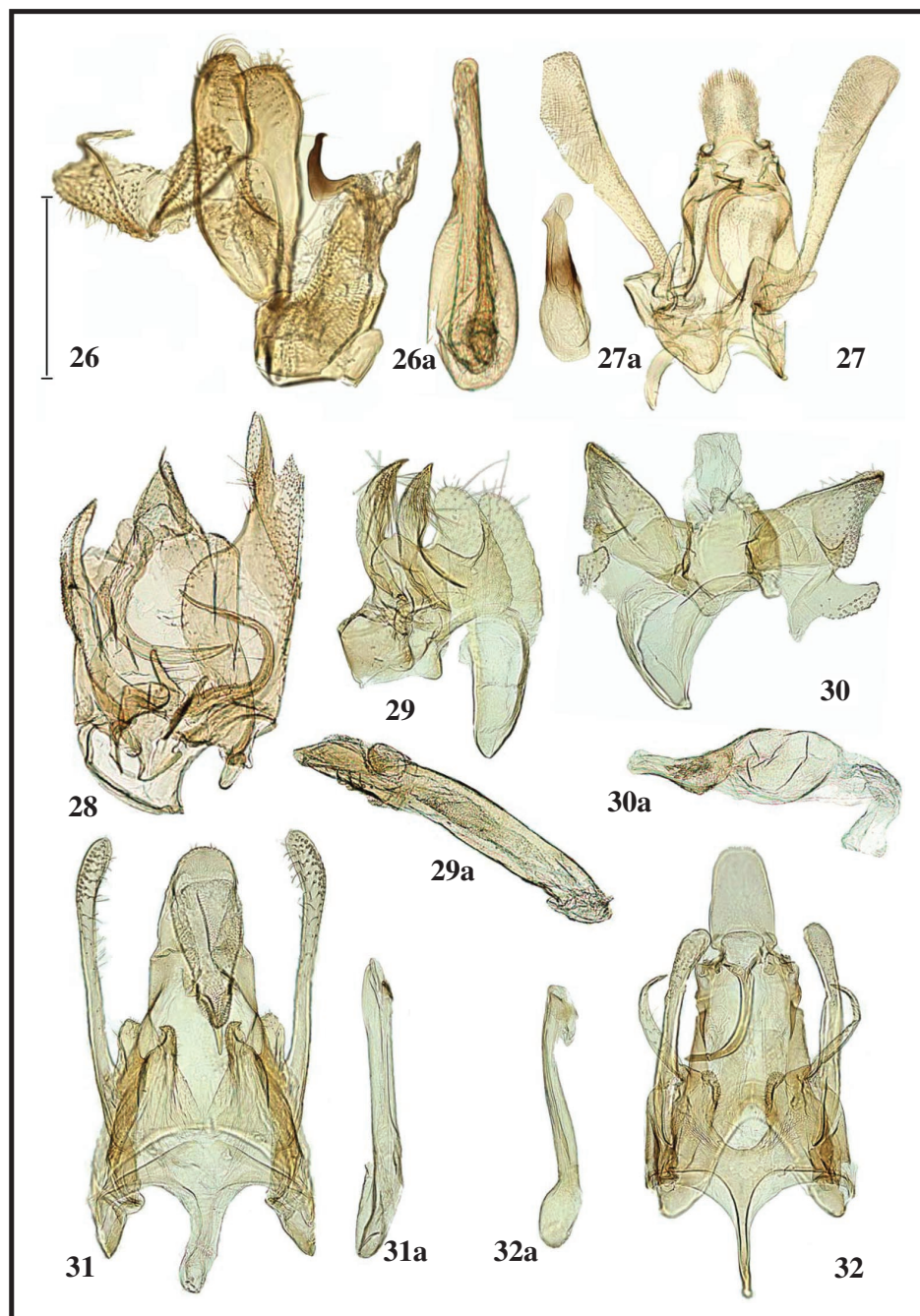
NEW FAUNISTIC DATA FOR THE FAMILY GELECHIIDAE IN THE KOREAN PENINSULA AND NE CHINA



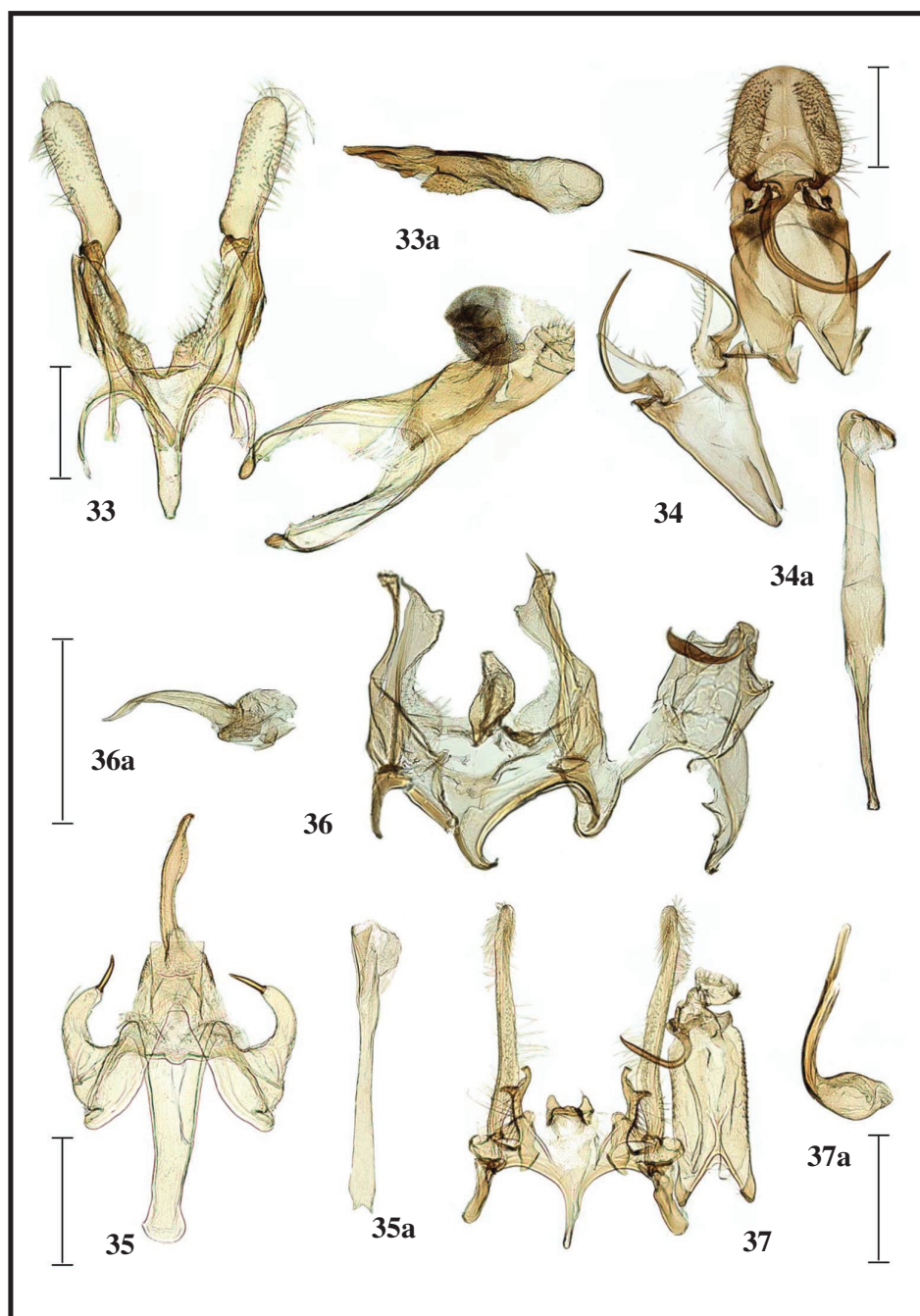
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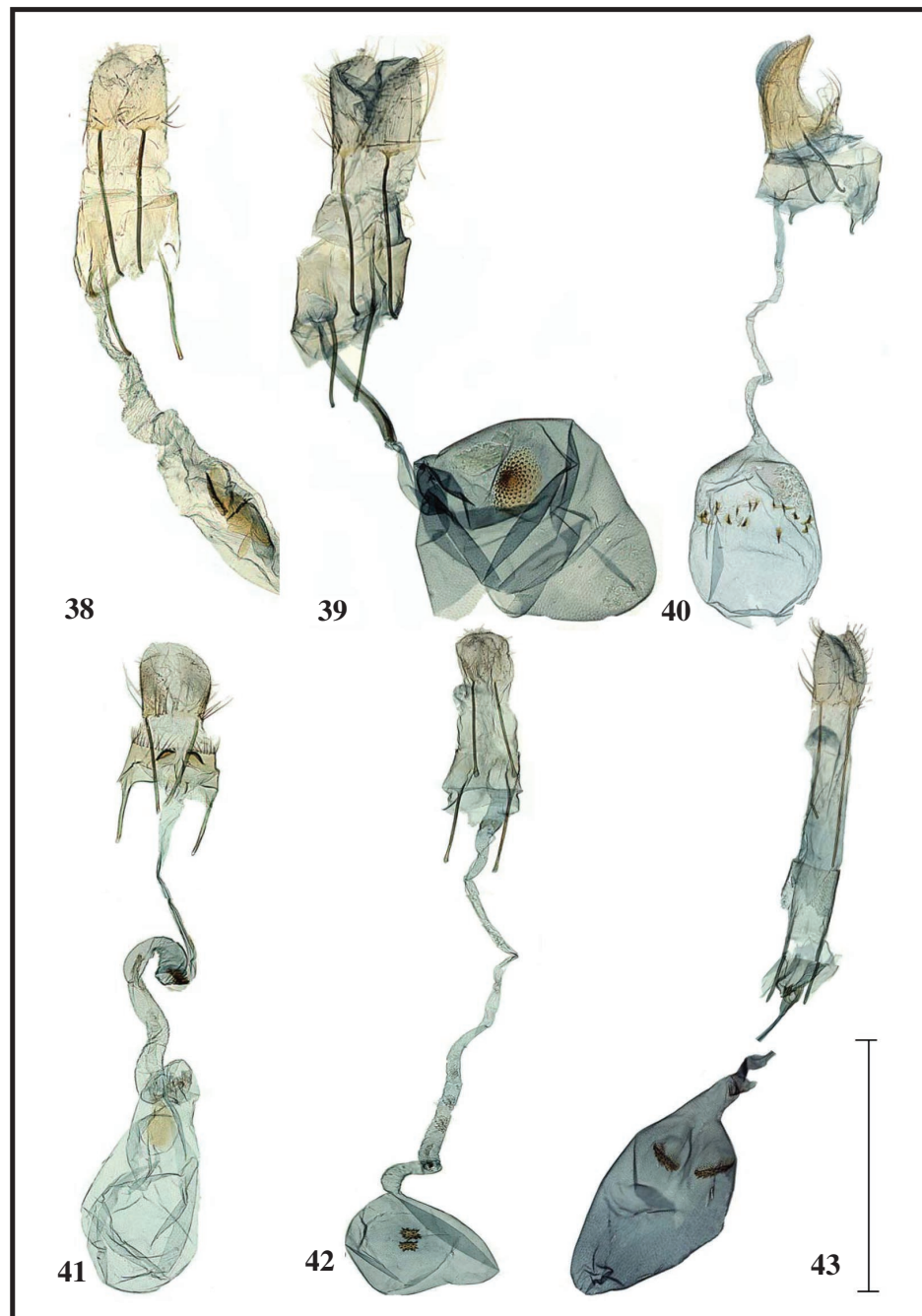
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